

THE LAND MOLLUSCA OF STEWART ISLAND.

By HENRY SUTER. —

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IN March of this year Mr. Aug. Hamilton, of Dunedin, paid a short visit to Halfmoon Bay, Stewart Island, when he collected a number of land-shells, which he kindly sent me for investigation.

Hitherto only four species of land shells have been known from this island, viz.:

1. *Flammulina (Phacussa) fulminata*, Hutton;
2. *Flammulina (Pyrrrha) cressida*, Hutton;
3. *Laoma (Phrixognathus) celia*, Hutton;
4. *Rhytida australis*, Hutton;

of which the first and last mentioned are endemic.

Mr. Hamilton's collection comprised the following species:—

1. *Flammulina perditia*, Hutt. One dead and partly broken shell. This species is found over the whole of New Zealand, but is a rather rare shell.

2. *Flammulina Feredayi*, Suter. Two specimens, which correspond exactly with my type-specimen from the Forty Mile Bush, North Island. The species has also been found on the Hunua Range and in the Otaki Gorge, North Island. The var. *glacialis* I established on specimens found in the Hooker Valley, South Island.

3. *Flammulina (Phenacohelix) granum*, Pfr. Two specimens, which are not adult, having only four whorls and a diameter of 2.5 mm., but otherwise differing in no respect from specimens I have from the North Island. I have not seen it yet from the South Island. This is one of our very rare shells.

4. *Flammulina (Phacussa) fulminata*, Hutt. Five specimens, mostly bleached. Two of them exceed the dimensions given by Captain Hutton for this species.

5. *Flammulina (Thalassohelix) igniflua*, Reeve, var. *obnubila*, Reeve. Eight specimens, bleached. They are much smaller than the typical *F. igniflua*, with diam. 7, alt. 4.5 mm., whorls 4½. I found similar living specimens near Dunedin, and hence I think it advisable to follow Pilsbry (Man. Conch., ser. II, vol. ix, p. 13), and to distinguish them as var. *obnubila*, although they differ from the type only in size. I have not seen this variety from any other part of New Zealand.

6. *Endodonta (Charopa) bianca*, Hutt. Two specimens only, which do not differ from the typical form. Occurring over the whole of New Zealand.

7. *Endodonta (Charopa) tapirina*, Hutt. One young specimen, in the colour-markings resembling specimens from Otago.

8. *Endodonta* (*Charopa*) *Sterkiana*, Sut., var. *Reeftonensis*, Sut. Five specimens, slightly larger than the type, but otherwise not distinguishable from it. This variety is very probably distributed over a great part of the South Island, since it has been found at Greymouth and Springburn; but it seems nowhere to be common.

9. *Laoma* (*Phrixognathus*) *celia*, Hutt. Six specimens, typical.

10. *Laoma* (*Phrixognathus*) *phrynia*, Hutt., var. *major*, n. var. Fourteen specimens of this new variety were found. They differ from the type principally in their much larger size, the diameter being 3.5 mm., as against 2.5; the periostracum is almost smooth, but the rather distinct radiate riblets are clearly visible near the suture, only rarely extending thread-like over the surface of the whorl to the periphery. The colour is darker than in most specimens of the type-form.

11. *Rhytida australis*, Hutt. Three bleached and broken shells.

Our knowledge of the land-molluscan fauna of Stewart Island has thus made some progress, eleven instead of only four species being now known. There is no doubt that a thorough exploration of this island would reveal many more species, and very likely several new forms.